## **Abstract**

A transport system, comprising:

- (a) an underfloor high frequency alternate current primary conductor (10,10') for providing an electromagnetic field extending along said primary conductor for inductive energy transfer,
- (b) at least one electric transport vehicle (30) comprising:
  - (b-1) two individually controllable and individually drivable drive wheels (36;38),
  - (b-2) at least one pick-up unit (32) with a secondary conductor for said inductive energy transfer, said pick-up unit being pivotable relative to said vehicle and comprising at least one idle roller (40) adapted for being continuously contacted with the travel surface,
  - (b-3) a sensor unit (34) adapted for sensing continuously a floor track signal,
  - (b-4) a control unit which controls said two drive wheels in response to signals of said sensor unit for minimizing a deviation of said vehicle from said floor track signal,

whereby said two drive wheels are arranged at a suitable distance in driving direction behind the axis around which the pick-up unit is pivotable for maintaining said pick-up unit essentially within said electromagnetic field during travel for a maximum of said energy transfer.